



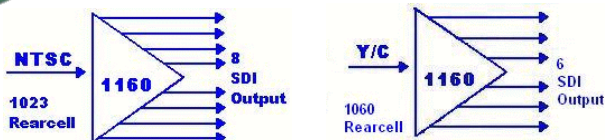
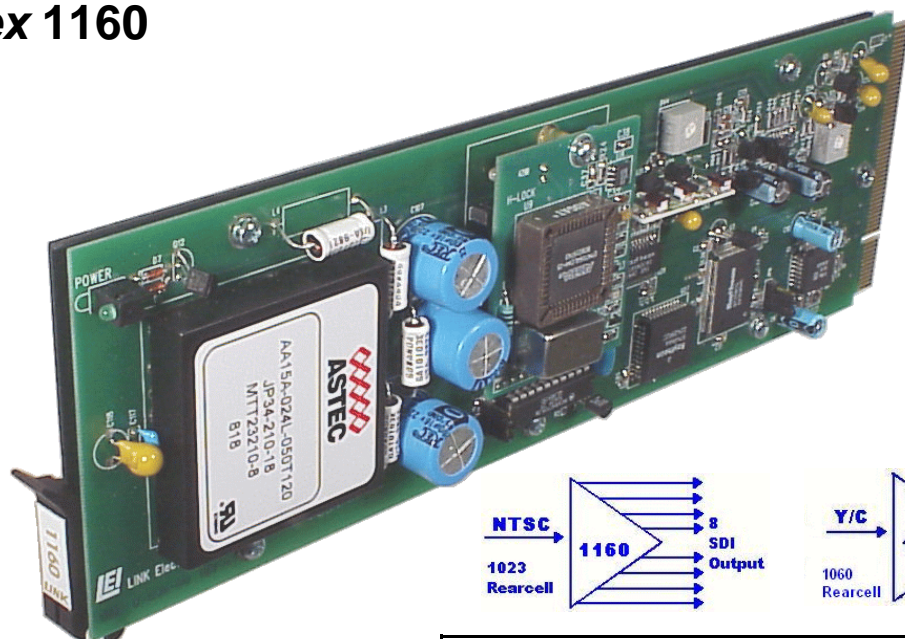
**LINK ELECTRONICS, INC.**

## NTSC/PAL TO SDI CONVERTER

### DigiFlex 1160



MADE IN THE USA



#### FEATURES

- ◆ 10 Bit A to D
- ◆ 12 Bit Option
- ◆ Analog to Digital
- ◆ Analog Composite Input
- ◆ 8 Digital Outputs
- ◆ CCIR 601 Compliant

The LINK 1160 analog to digital converter provides an accurate means of converting analog NTSC or PAL composite video to component serial digital (SMPTE 259M). The 1160 takes advantage of the latest integrated circuit technology to offer outstanding performance.

The input analog to digital converter features 2x over-sampling. Pre-filtering to full CCIR-601 specification is accomplished in the digital domain. Decoding is handled by a state-of-the-art three-line adaptive comb which eliminates the "hanging dots" associated with traditional comb filters. The 1160 utilizes 10 Bit processing.

#### Mounting Frame Options

- 1000 - Single Power Supply, Holds 5 Modules
- 1000/2 - Dual Power Supply, Holds 5 Modules
- 7200 - Mounting Frame, Holds 1 Module

The 1023 rear cell matches the 1160 for system flexibility. The 1000 frame will accommodate digital, analog, audio or video in the same frame. System upgrade is made simple with the DigiFlex 1000 series products.

The DigiFlex 1160 is designed to reside in LINK's 1000-Series frame. This frame can house up to 11 modules of various types. For stand-alone applications, the DigiFlex modules may be mounted in a small portable chassis for single module use, model 7200. The 7200-Series "single-module frame" features a modular power supply for insertion of any DigiFlex series front and rear modules.

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# DIGIFLEX 1160 ANALOG TO DIGITAL CONVERTER

## SPECIFICATIONS

### VIDEO INPUT:

Number: ..... ONE (1), Composite or YC, Select Rear Cell  
 Standard: ..... NTSC or PAL ANALOG Composite  
 Configuration: ..... Differential  
 Connector: ..... 75Ω BNC  
 Impedance: ..... >75Ω±1%  
 Common Mode Rejection: ..... >60dB  
 Return Loss: ..... >40dB to 5.5MHz  
 Signal Level: ..... 1Vpp ±3dB  
 S-Video ..... with 1160/1060

### DIGITAL OUTPUT:

Number: ..... Eight (8), on Rear Cell 1023  
 Number: ..... Six (6), on Rear Cell 1060  
 Standard: ..... SMPTE 259M-C 270Mb/s COMPONENT  
 Connector: ..... 75Ω BNC  
 Impedance: ..... 75Ω ±1%  
 Return Loss: ..... >18dB to 270MHz  
 Signal Level: ..... 800mV ±10%  
 ADC Resolution: ..... 10 BIT or 12 Option

### ENVIRONMENTAL:

Temperature: ..... 0° to 50°C Ambient  
 Humidity: ..... 10% to 90% non-condensing  
 Power: ..... 10 Watts

### MECHANICAL:

Height: ..... 3.2 Inches  
 Width: ..... 1 Inch  
 Length: ..... 10 Inches  
 Weight: ..... 8 Oz



Rear Cell I/O  
 Y. Y Input  
 C. C Input  
 YC. YC Input  
 1. Output  
 2. Output  
 3. Output  
 4. Output  
 5. Output  
 6. Output

REAR CELL 1060

Rear Cell I/O  
 0. Input  
 1. Output  
 2. Output  
 3. Output  
 4. Output  
 5. Output  
 6. Output  
 7. Output  
 8. Output



REARCELL 1023

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PROFESSIONAL SERIES--  
 modular system products--by **LINK**